Datasheet for ABIN7174359

anti-USP7 antibody (C-Term) (HRP)

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Overview

Quantity:	100 µg
Target:	USP7
Binding Specificity:	AA 302-394, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP7 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Ubiquitin carboxyl-terminal hydrolase 7 protein (302-394AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	USP7
Alternative Name:	USP7 (USP7 Products)
Background:	Background: Hydrolase that deubiquitinates target proteins such as FOXO4, p53/TP53, MDM2, ERCC6, DNMT1, UHRF1, PTEN and DAXX (PubMed:11923872, PubMed:15053880,

PubMed:16964248, PubMed:18716620, PubMed:25283148). Together with DAXX, prevents MDM2 self-ubiquitination and enhances the E3 ligase activity of MDM2 towards p53/TP53, thereby promoting p53/TP53 ubiquitination and proteasomal degradation (PubMed:15053880, PubMed:16845383, PubMed:18566590, PubMed:20153724). Deubiquitinates p53/TP53, preventing degradation of p53/TP53, and enhances p53/TP53-dependent transcription regulation, cell growth repression and apoptosis (PubMed:25283148). Deubiquitinates p53/TP53 and MDM2 and strongly stabilizes p53/TP53 even in the presence of excess MDM2, and also induces p53/TP53-dependent cell growth repression and apoptosis (PubMed:11923872). Deubiquitination of FOXO4 in presence of hydrogen peroxide is not dependent on p53/TP53 and inhibits FOXO4-induced transcriptional activity (PubMed:16964248). In association with DAXX, is involved in the deubiquitination and translocation of PTEN from the nucleus to the cytoplasm, both processes that are counteracted by PML (PubMed:18716620). Involved in cell proliferation during early embryonic development. Involved in transcription-coupled nucleotide excision repair (TC-NER) in response to UV damage: recruited to DNA damage sites following interaction with KIAA1530/UVSSA and promotes deubiquitination of ERCC6, preventing UV-induced degradation of ERCC6 (PubMed:22466611, PubMed:22466612). Involved in maintenance of DNA methylation via its interaction with UHRF1 and DNMT1: acts by mediating deubiquitination of UHRF1 and DNMT1, preventing their degradation and promoting DNA methylation by DNMT1 (PubMed:21745816, PubMed:22411829). Acts as a chromatin regulator via its association with the Polycomb group (PcG) multiprotein PRC1-like complex, may act by deubiquitinating components of the PRC1-like complex (PubMed:20601937). Able to mediate deubiquitination of histone H2B, it is however unsure whether this activity takes place in vivo (PubMed:20601937). Exhibits a preference towards \\\'Lys-48\\\'-linked ubiquitin chains (PubMed:22689415). Increases regulatory T-cells (Treg) suppressive capacity by deubiquitinating and stabilizing the transcription factor FOXP3 which is crucial for Treg cell function (PubMed:23973222). Aliases: Deubiquitinating enzyme 7 antibody, HAUSP antibody, Herpes virus associated ubiquitin specific protease antibody, Herpesvirus-associated ubiquitin-specific protease antibody, TEF 1 antibody, tef-1 antibody, TEF1 antibody, Ubiquitin carboxyl terminal hydrolase 7 antibody, Ubiquitin carboxyl-terminal hydrolase 7 antibody, Ubiquitin specific peptidase 7 (herpes virus associated) antibody, Ubiquitin specific peptidase 7 antibody, Ubiquitin specific peptidase 7 herpes virus associated antibody, Ubiquitin specific processing protease 7 antibody, Ubiquitin specific protease 7 (herpes virus associated) antibody, Ubiquitin specific protease 7 antibody, Ubiquitin specific protease 7 herpes virus associated antibody, Ubiquitin thioesterase 7 antibody, Ubiquitin thiolesterase 7 antibody, Ubiquitin-specific-processing protease 7 antibody, UBP 7 antibody, UBP-7 antibody, UBP7 antibody, UBP7_HUMAN antibody,

Target Details

	USP 7 antibody, usp-7 antibody, Usp7 antibody, VMW110-ASSOCIATED PROTEIN, 135-KD antibody
UniProt:	Q93009

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.